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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/869,696	10/31/2001	Donald Davies	2190/49927.	8654

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CROWELL & MORING LLP  
INTELLECTUAL PROPERTY GROUP  
P.O. BOX 14300  
WASHINGTON, DC 20044-4300

EXAMINER

MARVICH, MARIA

ART UNIT PAPER NUMBER

1633

DATE MAILED: 04/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Notice of Allowability**  
(Supplemental)

Application No.

09/869,696

Examiner

Maria B. Marvich, PhD

Applicant(s)

DAVIES, DONALD

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to interview 4/10/06.
2. ☒ The allowed claim(s) is/are 41-54,56,57,59-61,63,65-76,78,79,81 and 84-87.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some\* c) ☐ None of the:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                              |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>4/06</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                                      |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                                |
|   | 9. <input type="checkbox"/> Other _____  |

### **ALLOWANCE**

This is a supplemental Examiner's Amendment to change the word "method" to "composition" in claims 65-76, 78, 79, 81 and 84 in the previous Examiner's Amendment. The entire Examiner's Amendment has been reproduced below for clarity. Claims 1-40, 55, 58, 62, 64, 77, 80, 82 and 83 have been canceled. Claims 41, 60 and 85 have been amended. Claims 41-54, 56, 57, 59-61, 63, 65-76, 78, 79, 81 and 84-87 are pending.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with JD Evans on April 10, 2006.

The application has been amended as follows:

#### **IN THE CLAIMS:**

In claim 41, line 8, the phrase "exhibits an activity of converting" prior to "acetaminophen to a cytotoxic molecule" has been deleted and replaced with the phrase --is expressed in an effective amount to convert--.

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In claim 42, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 43, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 44, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 45, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 46, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 46, line 3, the words “lenti virus” prior to the phrase “and baculovirus” has been deleted and replaced with the word --lentivirus--.

In claim 47, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

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In claim 47, line 11, the phrase “tumor rejection antigen precursor promoters” following the phrase “tyrosine related peptide promoter, and” has been deleted and replaced with the phrase -- tumor rejection antigen precursor promoter--.

In claim 48, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 49, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 50, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 50, line 4, the phrase “tumor rejection antigen precursor promoters” following the phrase “tyrosine related peptide promoter, and” has been deleted and replaced with the phrase -- tumor rejection antigen precursor promoter--.

In claim 51, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 52, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 53, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 53, line 2, the phrase “of mammalian origin” following the phrase “said polynucleotide is” has been deleted and replaced with the phrase -- a mammalian polynucleotide --.

In claim 54, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 54, line 2, the phrase “of human origin” following the phrase “said polynucleotide is” has been deleted and replaced with the phrase -- a human polynucleotide--.

In claim 56, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 57, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 57, line 2, the phrase “of rodent origin” following the phrase “said polynucleotide is” has been deleted and replaced with the phrase -- a rodent polynucleotide--.

In claim 59, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 59, line 2, the word “cancers” following the phrase “and retinal” has been deleted and replaced with the phrase -- cancer--.

In claim 60, line 9, the phrase “exhibits an activity of converting” prior to “acetaminophen to a cytotoxic molecule” has been deleted and replaced with the phrase --is expressed in an effective amount to convert--.

In claim 63, line 3, the phrase “having an activity of converting acetaminophen to a cytotoxic molecule,” following the phrase “CYP1A2, CYP2E1, CYP3A4” has been deleted and replaced with the phrase -- , wherein the polypeptide converts acetaminophen to a cytotoxic molecule, and--.

In claim 65, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 66, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

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In claim 67, line 1, the word "A" prior to the phrase "composition according to" has been deleted and replaced with the word --The--.

In claim 68, line 1, the word "A" prior to the phrase "composition according to" has been deleted and replaced with the word --The--.

In claim 69, line 1, the word "A" prior to the phrase "composition according to" has been deleted and replaced with the word --The--.

In claim 69, line 8, the phrase "tumor rejection antigen precursor promoters" following the phrase "tyrosine related peptide promoter, and" has been deleted and replaced with the phrase -- tumor rejection antigen precursor promoter--.

In claim 70, line 1, the word "A" prior to the phrase "composition according to" has been deleted and replaced with the word --The--.

In claim 71, line 1, the word "A" prior to the phrase "composition according to" has been deleted and replaced with the word --The--.

In claim 72, line 1, the word "A" prior to the phrase "composition according to" has been deleted and replaced with the word --The--.



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In claim 72, line 5, the phrase “tumor rejection antigen precursor promoters” following the phrase “tyrosine related peptide promoter, and” has been deleted and replaced with the phrase -- tumor rejection antigen precursor promoter--.

In claim 73, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 74, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 75, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 75, line 2, the phrase “of mammalian origin” following the phrase “said polynucleotide is” has been deleted and replaced with the phrase -- a mammalian polynucleotide--.

In claim 76, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 76, line 2, the phrase “of human origin” following the phrase “said polynucleotide is” has been deleted and replaced with the phrase -- a human polynucleotide--.

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In claim 78, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 79, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 79, line 2, the phrase “of rodent origin” following the phrase “said polynucleotide is” has been deleted and replaced with the phrase -- a rodent polynucleotide--.

In claim 81, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 84, line 1, the word “A” prior to the phrase “composition according to” has been deleted and replaced with the word --The--.

In claim 85, line 8, the phrase “exhibits an activity of converting” prior to “acetaminophen to a cytotoxic molecule” has been deleted and replaced with the phrase --is expressed in an effective amount to convert--.

In claim 86, line 1, the word “A” prior to the phrase “method according to” has been deleted and replaced with the word --The--.

In claim 87, line 1, the word "A" prior to the phrase "method according to" has been deleted and replaced with the word --The--.

***Conclusion***

Claims 41-54, 56, 57, 59-61, 63, 65-76, 78, 79, 81 and 84-87 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maria B. Marvich, PhD whose telephone number is (571)-272-0774. The examiner can normally be reached on M-F (6:30-3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nguyen, PhD can be reached on (571)-272-0731. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Maria B Marvich, PhD  
Examiner  
Art Unit 1633



April 11, 2006

**DAVE TRONG NGUYEN  
SUPERVISORY PATENT EXAMINER**